The Mechanizers of Agriculture Are to Benefit From the Experience of Builders

to training in these professions, how the practical work was organized at the building sites, what electrical and other appliances had to be acquired and how special classrooms for the building trade and electrical engineering had to be organized, in addition to a laboratory.

ASSOCIATION: Agricultural Mechanization School # 34, Gomel' (Uchilishche mekhanizatsii sel'skogo khozyaystva # 34, Gomel')

AVAILABLE: Library of Congress

Card 2/2

ZAYTSEV, I.

27-11-8/31

AUTHOR: Zaitsev, I., Director, Agricultural Mechanization School # 34, Gomel'; Buslov, I., Deputy Director for Practical Training Section

TITLE: The Mechanizers of Agriculture Are to Benefit From the Experience of Builders (Opyt stroiteley - mekhanizatoram sel'skogo khozyaystva)

PERIODICAL: Professional'no - Tekhnicheskoye Obrazovaniye, 1957, # 11, p 11-13 (USSR)

ABSTRACT: A number of agricultural mechanization schools are now by order of the Main Administration of Labor Reserves training tractor drivers and machinists in other supplementary trades, such as building trades, electrical engineering, etc. This was an entirely new task for the mechanization schools and required thorough preparation. The plan and program of training provided for a 2-year course. It was found that there is a demand for bricklayers and carpenters. The Oblast' Administration instructed the Agricultural Mechanization School # 34 at Gomel' to train 180 bricklayers and 90 carpenters. The article further describes what considerations were given

Card 1/2

ZAYTSEV, I.

ZAYTSEV, I.

With youth's initiative. Prom.koop. no.5:34 My '57. (MLRA 10:8)

1.Direktor kul'tbazy oblpromsoveta, g. Chelyabinsk.
(Choral societies)

ZAYTSEV, I.

ZAYTSEV, I.; BUSLOV, I.

Building experience for farm mechanizers. Prof.-tekh.obr.14 no.11:11-13 N '57. (MIRA 10:12)

1. Direktor uchilishcha mekhanizatsii sel'skogo khozyaystva No.34, Gomel' (for Zaytsev). 2. Zamestitel' direktor po uchebno-proizvodstvennoy chasti uchilishcha sel'skogo khozyaystva No.34, Gomel' (for Buslov).
(Farm mechanization--Study and teaching)
(Building trades--Study and teaching)

ZAYTSEV, I., polkovnik; SHUSTOV, A., mayor

Contest of reconnaissance detachments. Voen. vest. 38 no.7:64-67 Jl '58. (MIRA 11:6)

(Military reconnaissance)

ZAYTSEV, I.

Some aspects of technical standardization in the rubber industry.
Sots. trud. 4 no.4:72-77 Ap '59. (MIRA 12:6)
(Rubber industry) (Production standards)

ZAYTSEV, I.A., inzh.

Selecting a type of power plant for navigation in ice-covered seas. Sudostroenie 25 no.10:23-26 O '59. (MIRA 13:2)
(Ship propulsion, Electric--Cold weather conditions)

ZAYTSEV, I., inzh.

Dry-freight diesel ships of the "Andizhan" type. Mor. flot 19 no.7:24-26 Jl '59. (MIRA 12:10)

1.TSentral'noye proyekno-konstruktorskoye byuro No.1. (Freighters)

ZAYTSEV, I., Geroy Sotsialisticheskogo Truda.

Every collective farm should have adequate farm buildings.
Sel'. stroi. 9 no.5:3-5 Ag '54. (MIRA 13:2)

1.Predsedatel' ispolkoma Leningskogo rayonnogo soveta deputatov trudyashchikhsya Moskovskoy oblasti.
(Farm buildings)

ZAYTSEV, I., podpolkovnik

Fire by direct laying on targets above water. Voen. vest. 41 no.5:113-115 My '61. (MIRA 14:8)
(Artillery---Problems, exercises, etc.)

ZAYTSEV, I.

On the increase. Prom.koop. 13 no.5:33 My '59. (MIRA 12:9)

1. Direktor kul'tbazy oblpromsoveta, g.Chelyabinsk.
(Chelyabinsk--Cooperative societies)
(Social group work)

ZAYTSEV, I.

Results of a study. Sots. trud 8 no.8:102-105 Ag '63.
(MIRA 16:8)

1. Nachal'nik laboratorii Nauchno-issledovatel'skogo instituta rezinovykh i lateksnykh izdeliy.
(Rubber industry--Labor productivity)

SOV/27-59-3-24/37

Off the Beaten Track

ASSOCIATION: Gomel'skoye uchilishche mekhanizatsii sel'skogo khozyaystva No 34 (Gomel' School of Agricultural Mechanization No 34).

Card 3/3

the kolkhoz "Za Rodinu", Kocherovskiy, Chairman of the kolkhoz "Pobeda", Ye. Ye. Kozyrev, Chairman of the kolkhoz imeni Lenin, and by Hero of Socialist Labor V. P. Polovinka - Secretary of the Party's Raykom in Gomel'. Among the many subjects submitted, the Pedagogical Council approved the most original form of a live-stock farm - a round cow shed for 96 cows and 20 calves. It was built on the school's training farm and furnished with an automatic drinking bowl, electric milking, suspension way and a belt conveyer for a mechanical cleaning of manure from the cow shed. It proved that such a shed is cheaper and requires considerably less building material. The shed aroused much interest and resulted in the building of hundreds of round cow sheds and pigsties in the oblasts of the Republic. The author lists several other technical works performed by his school and then describes the poor conditions in regard to technical training prevailing at the Uchilishche mekhanizatsii sel'skogo khozyaystva No 8 (Agricultural Mechanization School No 8) at Bobruysk.

SOV/27-59-3-24/37

22 (1)

AUTHOR: Zaytsev, I., School Director

TITLE: Off the Beaten Track (Protiv shablona)

PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1959, Nr 3, pp 26 - 27 (USSR)

ABSTRACT: The author stresses that in the Labor Reserve schools technical work should not be evaluated only by models and other articles produced but by more substantial items of modern equipment. This would also considerably help to solve the problem of placing the schools on a partially self-supporting basis. Along with making visual training aids in the technical circles, the Gomel' School of Agricultural Mechanization No 34 has solved problems of greater importance during the last years. Thus, e.g. both the staff and the students had to decide how to build a better and more profitable live-stock farm in connection with the considerable increase in cattle at the kolkhozes and sovkhozes. He points out the active participation shown in placing such problems before the school by P. N. Kovalëv, Chairman of

Card 1/3

ZAYTSEV, I.

MIGACHEV, I., inzh; ZAYTSEV, I.

Cargo motorboat "Priazino" with dead weight of 3,100 tons. Mor.flot 18 no.3:16-19 Mr '58. (MIRA 11:4)

1. TSentral'noye proyektno-konstruktorskoye byuro No.1 Ministerstva morskogo flota.
(Priazino (Ship))

ZAYTSEV, I.; ODINTSOV, B.

Improving bonus payments to workers. Biul. nauch. inform.: trud i zar. plata 5 no.7:38-43 '62. (MIRA 15:7)
(Moscow--Wages--Rubber industry)
(Bonus system)

ZAYTSEV, I.; MILEYKO, B.

Combining the individual and group piece-rate wage systems.
Sots.trud. 7 no.7:100-105 Jl '62. (MIRA 15:8)

1. Nachal'nik laboratorii Nauchno-issledovatel'skogo instituta rezinovykh i lateksnykh izdeliy (for Zaytsev). 2. Rukovoditel' normativno-issledovatel'skoy gruppy po trudu Kurskogo zavoda rezino-tekhnicheskikh izdeliy (for Mileyko).
(Kursk--Wages--Rubber industry)

ZAYTSEV, I.; BUSLOV, I.; PEREPLETCHIKOV, M., prepodavatel'

Our practices in training machine operators. Prof.-tekh. obr. 19 no.6:10-11 Je '62. (MIRA 15:7)

1. Direktor Gomel'skogo sel'skogo professional'no-tekhnicheskogo uchilishcha No.34 (for Zaytsev). 2. Zamestitel' direktora po uchebno-proizvodstvennoy chasti Gomel'skogo sel'skogo professional'no-tekhnicheskogo uchilishcha No.34 (for Buslov).
(Farm mechanization--Study and teaching)

ZAYTSEV, I., polkovnik; PARSHIKOV, N., mayor

Reconnaissance in a motorized rifle battalion. Voen. vest. 41 no.9:38-41 S '61. (MIRA 15:1)
(World War, 1939-1945) (Military reconnaissance)

ZAYTSEV, I.

Methodology for establishing norms in the production of molded rubber industrial goods. Biul. nauch. inform.: trud i zar. plata 4 no.11: 30-37 '61. (MIRA 14:12)

(Rubber goods--Production standards)

ZAYTSEV, I.

Through productive work. Prof.-tekh. obr. 21 no.2:8 F '64.
(MIRA 17:9)

1. Direktor gomel'skogo sel'skogo professional'no-tekhnicheskogo uchilishcha No.34, Belorusskaya SSR.

ZAYTSEV, G.Z., kand.tekhn.nauk; SHUR, D.M., inzh.

Strength and character of the failing of welded joints connecting nozzles with vessel bodies stressed by internal pressure. Svar. proizv. no.2:30-32 F '63. (MIRA 16:2)

1. TSentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya.

(Nozzles—Welding) (Welding—Testing)

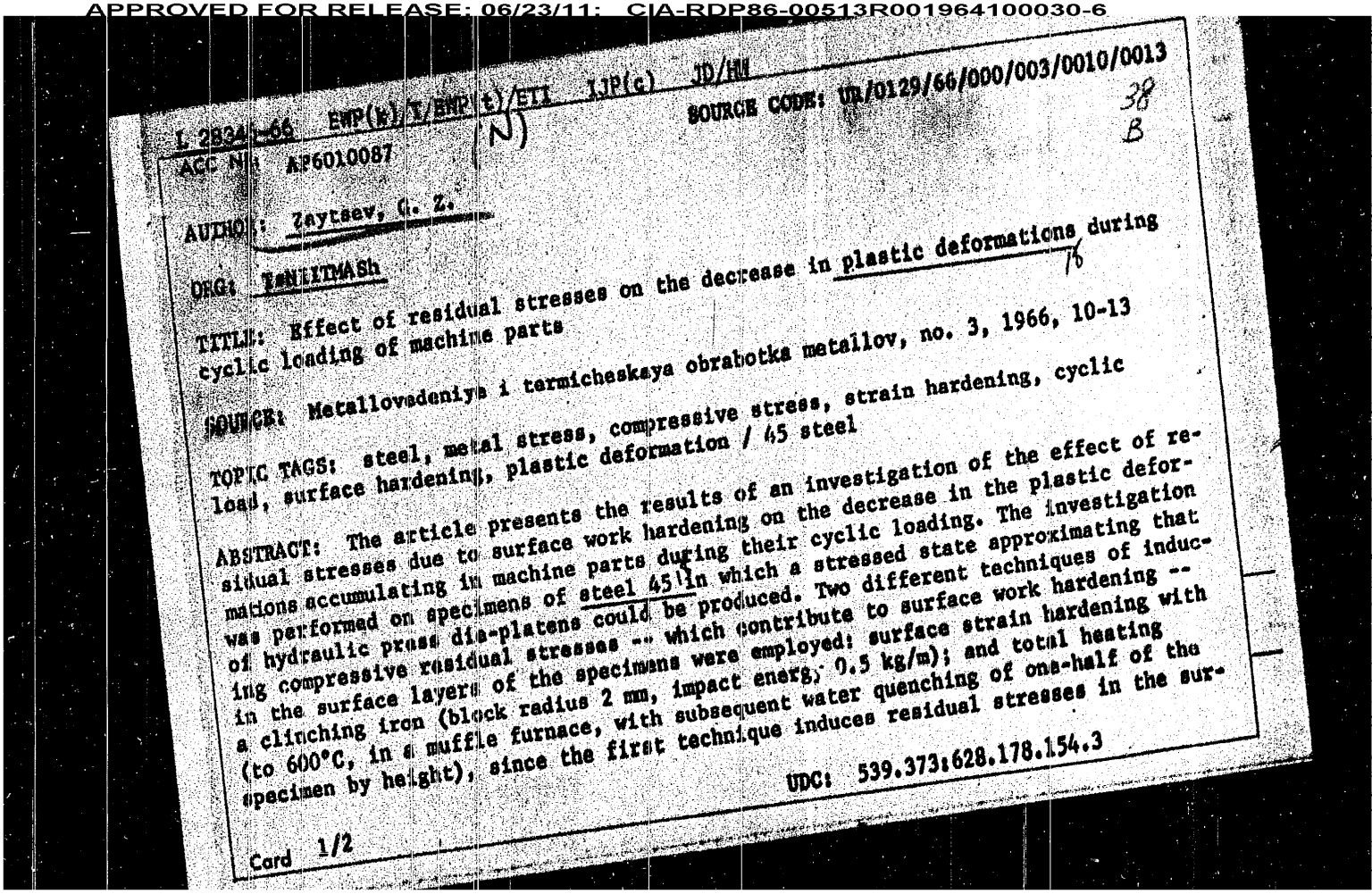
L 28346-66

ACC NR: AP6010087

face layer and enhances the strength of the metal by as much as 40% whereas the second technique (heating) induces only residual stresses without markedly increasing the strength of the surface layer and thus provides a good standard of comparison. The specimens thus treated were subjected to bending (50,000 cycles) in a 3-ton press. The stress-strain diagrams of sections of the specimens after these tests showed that the presence in the surface-hardened specimens of a greater strength of the surface layer in addition to favorable compressive stresses does not appreciably affect their resistance to the process of the accumulation of plastic deformations during cyclic loadings. Specimens hardened by heating display the same degree of hardening as the surface-hardened specimens. Orig. art. has: 3 figures, 1 formula.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 001

Card 2/2



L 2834[illegible]-66 EWP(k)/T/EWP(t)/ETI IJP(c) JD/HM (N) SOURCE CODE: UR/0129/66/000/003/0010/0013

ACC NR: AP6010087 38 B

AUTHOR: Zaytsev, G. Z.

ORG: TsNIITMASh 76

TITLE: Effect of residual stresses on the decrease in plastic deformations during cyclic loading of machine parts

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 3, 1966, 10-13

TOPIC TAGS: steel, metal stress, compressive stress, strain hardening, cyclic load, surface hardening, plastic deformation / 45 steel

ABSTRACT: The article presents the results of an investigation of the effect of residual stresses due to surface work hardening on the decrease in the plastic deformations accumulating in machine parts during their cyclic loading. The investigation was performed on specimens of steel 45 in which a stressed state approximating that of hydraulic press die-platens could be produced. Two different techniques of inducing compressive residual stresses -- which contribute to surface work hardening -- in the surface layers of the specimens were employed: surface strain hardening with a clinching iron (block radius 2 mm, impact energy 0.5 kg/m); and total heating (to 600°C, in a muffle furnace, with subsequent water quenching of one-half of the specimen by height), since the first technique induces residual stresses in the sur-

UDC: 539.373:628.178.154.3

Card 1/2

ZAYTSEV, G.Z., kand. tekhn. nauk; NAUMCHENKOV, N.Ye., kand. tekhn. nauk; MINKOV, Ya.L., inzh.

Fatigue strength of unilaterally welded joints. Svar. proizv. no.6:26-29 Je '63. (MIRA 16:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya.

The strength and nature of...

metal (pipe). In the presence of defects of the pipe metal, the strength of the sleeve joint decreases about twice. The most dangerous spot of sleeve joints during internal pressure loads, is the weld or the weld-adjacent zone of the pipe. Considerable stress concentration occurs in the weld-adjacent zone. The coefficient of axial stress concentrations ($\alpha$) was experimentally determined to be equal to about 1.5. In the selected sleeve designs, internal hydrostatic pressure causes brittle failure; thermal treatment and the absolute dimensions of welded sleeve joints have no marked effect on their carrying capacity and the nature of failure under the given conditions. There are 3 figures and 1 table.

ASSOCIATION: TsNIITMASh

Card 2/2

11596

S/135/63/000/002/010/015
A006/A101

AUTHORS: Zaytsev, G. Z., Candidate of Technical Sciences, Shur, D. M., Engineer

TITLE: The strength and nature of failure of weld joints, connecting sleeves with pipe bodies, during internal pressure loads

PERIODICAL: Svarochnoye proizvodstvo, no. 2, 1963, 30 - 32

TEXT: Grade 22K and 20T steel sleeves and branch pipes were welded onto pipe bodies. The strength of the welds was tested on a ГКМ-10,000 (GKM-10,000) compressor unit, using a mixture of 70% spindle oil with 30 kerosene; the modulus of volumetric pressure of the liquid was about 15,000 kg/cm$^2$. Sleeves of different size were tested after welding, high tempering at 650°C and tempering at 450°C for 4.5 h. The axial rupture stresses, $\sigma_z$ were determined from rupture pressure P using a formula for thin-walled containers $\sigma_z = \frac{PD}{4\delta}$ where D is the internal sleeve diameter and $\delta$ is the thickness of the pipe wall. The tests show that the strength of welds on the sleeves was 30 - 40% below that of the base

Card 1/2

KUDRYAVTSEV, I.V., doktor tekhn.nauk, prof.; ZAYTSEV, G.Z., kand.tekhn.nauk; SHUR, D.M., inzh.; NAUMCHENKOV, N.Ye., kand.tekhn.nauk

"Dynamic strength of weld joints in low-carbon and low-alloy steels" by A.E. Asnis. Reviewed by I.V. Kudriavtsev and others. Svar. proizv. no.9:44-45 S '62. (MIRA 15:12)
(Steel—Welding)
(Asnis, A.E.)

ZAYTSEV, G. Z.

45

Cyclic Metal Strength (Cont.) SOV/6025

and growth of fatigue cracks, the role of plastic deformation in fatigue fracture, an accelerated method of determining fatigue strength, the plotting of fatigue diagrams, and various fatigue test methods. New data are presented on the sensitivity of high-strength steel to stress concentration, the effect of stress concentration on the criterion of fatigue failure, the effect of the size factor on the strength of metal under cyclic loads, and results of endurance tests of various machine parts. Problems connected with cyclic metal toughness, internal friction, and the effect of corrosion media and temperature on the fatigue strength of metals are also discussed. No personalities are mentioned. Each article is accompanied by references, mostly Soviet.

TABLE OF CONTENTS:

NATURE OF FATIGUE FRACTURE



Card 2/17

PHASE I PUBLICATION SOV/6025

Soveshchaniye po ustalosti metallov. 2nd., Moscow, 1960.

Tsiklicheskaya prochnost' metallov; materialy vtorogo soveshchaniya po ustalosti metallov, 24 - 27 maya 1960 g. (Cyclic Fatigue Strength; Materials of the Second Conference on the Fatigue of Metals, held May 24 - 27, 1960) Moscow, Izd-vo AN SSSR, 1962. 338 p. Errata slip inserted. 1,250 copies printed.

Resp. Ed.: I. A. Oding, Corresponding Member of the Academy of Sciences of the USSR; Ed. of Publishing House: A. N. Chernov; Tech. Ed.: A. P. Gusova.

PURPOSE: This collection of articles is intended for scientific research workers and metallurgists.

COVERAGE: The collection contains papers presented and discussed at the second conference on fatigue of metals, which was held at the Institute of Metallurgy on [illegible] 1960. These papers deal with the nature of fatigue fracture, the mechanism of formation

Card 1/4

ZAYTSEV, G.Z.

Technical and economic effect of industrial hardening of machine parts. Trudy Sem.po kach.poverkh. no.5:57-63 '61. (MIRA 15:10)
(Surface hardening)

ZAYTSEV, G.Z., insh.

Increasing durability of teeth by surface hardening. Elek.i tepl.tiaga 14 no.3:27-28 Mr '60. (MIRA 13:7)

1. TSentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya.
(Gearing, Spur)

Plastic Deformation of the Table Plates of Hydraulic Presses

temperature and only dropped slightly at 450°C. The observed laws can be utilized in practice for production of different parts and for explanation and control of the accumulation of plastic deformation. The investigations were carried out under the supervision of I.V. Kudryavtsev, Doctor of Technical Sciences. There are 10 figures and 6 Soviet references.

Card 2/2

S/182/60/000/007/008/016
A162/A029

AUTHOR: Zaytsev, G.Z.

TITLE: Plastic Deformation of the Table Plates of Hydraulic Presses

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, 1960, No. 7, pp. 31 - 36

TEXT: The purpose of the described experimental investigation at the Otdel Prochnosti (the Strength Department) of TsNIITMASh has been to find means for increasing the life of table plates of heavy hydraulic presses. It was presumed that one of the main causes of residual deformation of 23 $\mu$ has been observed after 150,000 load applications which normally would correspond to one year's work of the press. Deformation has been noted only in case of pressures not exceeding 8 kg/mm$^2$. The deformation laws observed on the specimens of "45" and 5 XHB (5KhNV) steel in different conditions were studied. It is mentioned that the level of residual stresses under the heat effect (which may reach 200 - 400°C in hot press plates) has been sufficiently investigated for various steel grades and the data of L.A. Glikman (Ref. 6) can be used for carbon steel. The experiments included fatigue tests on a $\mathcal{L}$-8 (Ya-8) test machine where it has been observed that the effect of induced residual stresses did not disappear in raised

Card 1/2

ZAYTSEV, G. Z., CAND TECH SCI, "~~INVESTIGATION~~ Study OF CERTAIN LAWS GOVERNING THE ACCUMULATION OF PLASTIC DEFORMATIONS UNDER CYCLIC LOADS." MOSCOW, 1960. (ACAD SCI USSR, INST OF METALLURGY IM A. A. BAYKOV). (KL, 3-61, 215).

The Industrial Application of the Technology of Strengthening the Machine Parts

Khar'kovskiy zavod transportnogo mashinostroyeniya (Khar'kov Plant of Transport Machine Construction), the Uralmash-zavod (the Ural Machine Plant), the Gorlovskiy mashinostroitel'nyy zavod (Gorlovka Machine Construction Plant) imeni S.M. Kirov, the Chel'yabinskiy truboprokatnyy zavod (Chelyabinsk Pipe Rolling Plant) and by some other plants. However, the Vagonoremontnyye zavody (RR Car Repair Plants) in Kanash and Borisoglebsk, the Vagonostroitel'nyye zavody (RR Car Construction Plants) in Kaliningrad and imeni Yegorov in Leningrad, and Zavod imeni Uritskiy in Engels make no use of means of hardening the surfaces of the metal items used in their production. The production of steel pellets, spray apparatuses for them, and of rolling devices has not yet been organized. There are 3 photos, 1 diagram and 7 Soviet references.

The Industrial Application of the Technology of Strengthening the Machine Parts

elements. An old treatment of surfaces with spray of up to 1 mm in diameter steel pellets is employed by the Gor'kovskiy avtomobil'nyy zavod [illegible] Auto Plant the Moskovskiy avtomobil'nyy zavod (Moscow Auto Plant) imeni Likhachev, the Minskiy avtomobil'nyy zavod (Minsk Auto Plant), the Stalingradskiy and Chelyabinskiy traktorostroitel'nyye zavody (Stalingrad and Chelyabinsk Tractor Construction Plants) and by the Moskovskiy trolleybusnyy remontnyy zavod Mossoveta (Moscow Trolleybus Repair Plant of the Moscow City Council). Another old method of hardening the surface by polishing with rollers is used by the Perovskiy zavod po remontu elektropodvizhnogo sostava (Pero[illegible] Plant for Repair of Electric Rolling Stock), the Vagonoremontnyye zavody (RR Car Repair Plants) in Leningrad, Kiyev, Nizhnedneprovsk, the Parovozoremontnyy zavody (Locomotive Repair Plants) in Voronezh, Ufa, the

SOV/117-59-2-19/27

25(5)
AUTHORS: Kudryavtsev, I.V., Doctor of Technical Sciences, Professor, and Zaytsev, G.Z., Engineer

TITLE: The Industrial Application of the Technology of Strengthening the Machine Parts (Promyshlennoye ispol'zovaniye tekhnologii uprochneniya detaley mashin)

PERIODICAL: Mashinostroitel', 1959, Nr 2, pp 31-34 (USSR)

ABSTRACT: The authors mention a new method of hardening the surfaces of metal items, worked out by the TsNIIT-MASH (the Central Scientific Research Institute of Heavy Machine Construction). It consists of corrugating the surface of the item, which results not only in an increase in durability of the given surface, but also increases the firmness of hold of two such surfaces laid on each other. This method is being successfully applied by the Novo-Kramatorskiy mashinostroitel'nyy zavod (Novo-Kramatorsk Machine Construction Plant) for the hardening of surfaces of framework structures assembled from thick rolled

Card 1/3

Increasing the Strength (Cont.) SOV/2885

design considerations and operating techniques are discussed.

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1-26-60

Card 10/10

Increasing the Strength (Cont.)

loading are examined.



## IV. MODERN STRENGTH-TESTING EQUIPMENT

of burnishing are discussed. Results of testing burnished surfaces in operation are presented.

Kudryavtsev, I. V., T. V. Naumova, and L. M. Rosenman /Engineers/. Effect of Work Hardening on the Strength of Carbon Steels 129

Changes in hardness, ductility, yield, ultimate stress, impact toughness, and fatigue limit of carbon steels due to work hardening are investigated. Results are presented in tables and diagrams.

Zaytsev, G. Z. Fatigue Strength of Teeth of Large-module Gears 142

Fatigue tests on large cast and forged gears are described. The effect of surface work hardening on spaces between teeth is investigated.

III. PROPERTIES OF STEELS AT NORMAL AND HIGH TEMPERATURES

Increasing the Strength (Cont.)

out. The effect of loading on the bore and shaft and the of the duration of the test (20 and 100 million cycles) were investigated. The preparation and burnshing of samples and the technique of testing are described. Results of the investigation are discussed.

Kudryavtsev, I. V., and N. A. Balabanov [Candidate of Technical Sciences]. Work Hardening of Stepped Shafts by Fillet Peening 133

Results of fatigue tests on stepped steel shafts are analyzed. Comparisons are drawn between shafts work-hardened by fillet peening and shafts not subjected to any work-hardening process. Fillet peening was accomplished on a milling machine with a special attachment having a spring-actuated striking pin with a spherically rounded end.

Barats, A. I. [Engineer]. Increasing the Life of Metallurgical-machinery Parts by External Burnishing With Rollers 123

Constructions of the burnishing devices used are described, and some problems connected with the technique

features of these phenomena and factors causing them are discussed

Khayet, G. L. /Candidate of Technical Sciences/, D. A. Sten'ko, and B. A. Brusilovskiy, /Engineers/. Practice at the Novo-Kramatorskiy mashinostroitel'nyy zavod (Kramatorsk New Machine-building Plant) in External Burnishing of Large Machine Parts With Rollers 76

The technique of conducting experiments, the geometry of the tool, the principles of selecting the burnishing regime, and the devices used are described and discussed. A table with diagrams of burnished machine parts and data on effects of burnishing is presented.

Kulikov, O.O. Effect of Work Hardening by Burnishing With Rollers and Some Loading Conditions on the Endurance Limit of Sections of Shafts With Press-fitted Machine Parts 95

The difference in behavior under cyclic loads between plain shafts and shafts with press-fitted machine parts is pointed

after long-time storage are discussed. The significance of residual stresses in increasing the fatigue strength of shafts by surface work hardening is pointed out.

Zavartseva, V. M. [Candidate of Technical Sciences]. Application of the Photoelastic Method of Stress Analysis in the Contact Zone of a Bent Beam With Bearing Clamps 23

Fringe photographs are shown of stress-concentration factors and lines of principal stresses in a cantilever shaft of rectangular cross-section with fitted bearing clamps made of IM-44 (phenolformaldehyde plastic). The stress distribution over contact areas between shaft and clamps is discussed. Conclusions are drawn on the basis of an analysis of the results of an investigation.

Zavartseva, V. M. Photoelastic Determination of Stresses in a Disk With a Keyway Under Uniform Internal Pressure 39

Stresses were determined for disks with one keyway, with

service life of machine parts and constructional elements are discussed. Several articles are devoted to problems of increasing the fatigue strength of machine parts by work hardening. Industrial practices of NKMZ in Kramatorsk in external burnishing of large machine parts are presented. Tools and fixtures used in surface work hardening are described. No personalities are mentioned. References follow each article.

TABLE OF CONTENTS:

. ZAy Tsev, O.Z.

25(2,5) P4-1 PHASE I BOOK EXPLOITATION SOV/2885

Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya

Povysheniye prochnosti elementov konstruktsiy i detaley mashin (Increasing the Strength of Constructional and Machine Elements) Moscow, Mashgiz, 1959. 210 p. (Series: Its: [Sbornik] kn. 91) 5,500 copies printed.

Ed. (Title page): I. V. Kudryavtsev, Doctor of Technical Sciences, Professor; Ed. (Inside book): A. G. Nikitin, Engineer; Tech. Ed.: V. D. El'kind; Managing Ed. for Literature on Transport Machine Building (Mashgiz): K. A. Ponomarev, Engineer.

PURPOSE: This collection of articles is intended for designers, process engineers, and scientific research workers in the machine-building industry.

COVERAGE: The collection contains papers dealing with experimental work done recently by TsNIITMASh. The experiments are concerned with the practical use of surface work hardening in industry. Industrial practices intended to increase the strength and

Card 1/10

Methods for the Fatigue Testing of Large Coarsely Modulated Cogged Wheels

32-2-27/60

ASSOCIATION: Central Scientific Research Institute for Technology and Machine Building (Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya)

AVAILABLE: Library of Congress

1. Gears-Test methods

Card 3/3

Methods for the Fatigue Testing of Large Coarsely Modulated Cogged Wheels

32-2-27/8c

section of a cogged wheel subjected to strain. It was found in some experiments, that the angle β in the parallelogram of forces is of decisive importance in determining, wether a rupture of the cogged wheel takes place on the stretched flank or on the compressed one. An Increase of the angle β leads to the second case. Cogged wheels with a hardened cog top were investigated. Some types of rupture of the strained segment of the cogged wheels are sketched, in which connection it may be mentioned, that a section rupture (without a rupture of a cog) occurs with particularly high strains. The place of rupture is dependent upon the distribution of force. Cogged wheels with a hardened cog top were also used for a number of experiments dealing with the "retarded strain", in which case two segments with the cogs in an obliquely opposite position are simultaneously subjected to strain.(See figure). The experimental results showed, that at the hardened cog top, at the point of touching, destructions occurred with small excess loads, whereas greater loads caused the formation of cracks at the cog flank observed most. There are 8 figures and 6 references, all of which are Slavic.

Card 2/3

ZAYTSEV, G.Z.

AUTHORS: Kobrin, M. M., Zaytsev, G. Z. 32-2-27/60

TITLE: Methods for the Fatigue Testing of Large Coarsely Modulated Cogged Wheels (Metodika ustalostnykh ispytaniy bol'shikh krupnomodul'nykh shesteren)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 2, pp. 193-197 (USSR)

ABSTRACT: Cast and forged cogged wheels with a modul of M = 10, and a tooth depth of l = 140 mm, a cog number z = 75 and a outside diameter of D = 774 mm were investigated in this paper. The present investigations were conducted similar to the ones conducted repeatedly with smaller cogged wheels on a pulsator, however, because of the large size of the cogged wheels only sections were subjected to strain, that is to say, parts with four cogs. According to a proposal by M. I. Chuloshnikov V. P. Starostin two sections could also be investigated simultaneously. When one cog of the cogged wheel is subjected to strain, the rupture can be produced on one side by a stretching, on the other side by a compression. A figure gives the schematic distribution of force on a

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ZAYTSEV, G.Z., inzh.

Residual stresses in welds in austenitic pipes. Energomashinostroenie 4 no. 6:31-35 Je '58. (MIRA 11:8)
(Steel--Welding)

TIMOFEYEV, Yevgeniy Il'ich, kand. tekhn. nauk; URVANTSEV, Lev Alekseyevich, kand. tekhn. nauk; LYUSTIBERG, V.F., inzh., ved. red.; ZAYTSEV, G.Z., inzh., red.; SOROKINA, T.M., tekhn. red.

[Equipment for the impact testing of metals]Ustanovka dlia dinamicheskogo ispytaniia metallov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 32. No.P-58-5/3) (MIRA 16:3)

(Metals--Testing)

ZAYTSEV, G.Z.

ARKHANGORODSKIY, Aleksandr Grigor'yevich, kandidat tekhnicheskikh nauk; CHERNYSHEV, Oleg Leont'yevich, inzhener; BELEN'KIY, Leonid Mikhaylovich, inzhener; BRYANTSEVA, V.P., inzhener, vedushchiy redaktor; ZAYTSEV, G.Z., inzhener, redaktor; POLYAKOV, I.A., tekhnicheskiy redaktor

[Instruments for disclosing static indeterminateness of girders] Pribory dlia raskrytiia staticheskoi neopredelimosti balok. Moskva, Akad.nauk SSSR, 1956. 13 p. (Pribory i stendy. Tema 2, no.P-56-525) (MLRA 10:10)

(Testing machines) (Girders)

ZAYTSEV, G.Z., inzhener

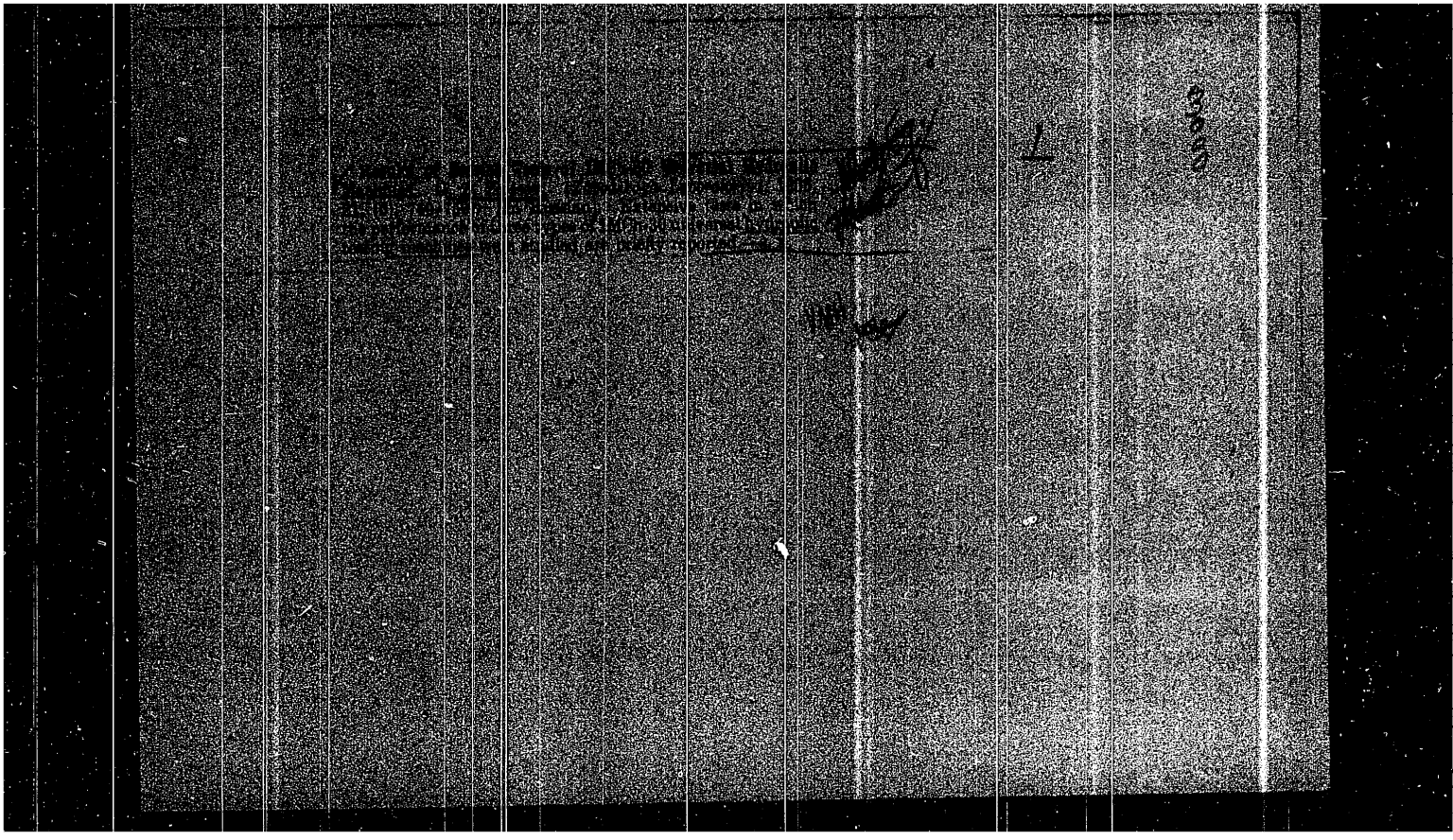
Effect of the tempering temperature on residual stress relief in welded austenite steel pipes. [Trudy] TSNIITMASH no.70:49-60 '55.
(MLRA 8:11)

(Pipe, Steel--Welding) (Steel--Heat treatment)

ZAYTSEV, G.Z.

KUDRYAVTSEV, I.V., professor, doktor tekhnicheskikh nauk; SAVVINA, N.M. kandidat tekhnicheskikh nauk; ZAYTSEV, G.Z., inzhener

Stability of the effect of residual stress in fatigue strength of steel parts (at the time and under the influence of varying loads) [Trudy] TSNIITMASH no.70:5-22 '55. (MLRA 8:11)
(Steel, Structural--Fatigue)



ZAYTSEV, Guriy Semenovich; KUZNETSOV, Aleksandr Yakovlevich; CHUGASOV, A.A., podpolkovnik, red.; KUSAVINA, A.M., tekhn. red.

[Smoke screens] Dymovye sredstva i dymoobrazuiushchia veshchestva. Moskva, Voen.izd-vo M-va oborony SSSR, 1961. 82 p. (MIRA 15:2)

(Smoke screens)

ZAYTSEV, G.P.

Single equation for the plastic elongation of metals. Fiz. met.i metalloved. 11 no.6:910-918 Je '61. (MIRA 14:6)

1. Kuybyshevskiy gosudarstvennyy nauchno-issledovatel'skiy institut neftyanoy promyshlennosti.
(Metals--Testing)
(Deformations(Mechanics))

dimensions of the specimen and its volume. The striction, which depends on the carbon content in the steel and on the degree of work hardening, is also likely to influence the Poisson coefficient and the elasticity moduli E and G and this has to be taken into consideration. It would be useful to study non-magnetic metals for the purpose of evaluating the causes of the dependence of the elasticity constants E and $\mu$ of steel on the magnitude of the tensile stresses and on the change in sign of its increase. The author expresses the hope that A. V. Gur'yev will carry out such experiments since he has developed a technique of measuring accurately the longitudinal and transverse dimensions of specimens. There are 9 Soviet references.

ASSOCIATION: Kuybyshevskiy gosudarstvennyy nauchno-issledovatel'skiy institut neftyanoy promyshlennosti (Kuybyshev State Scientific Research Institute of the Oil Industry)

SUBMITTED: July 22, 1960

elastic and purely plastic tension, respectively. If the plastic deformation is added to the elastic one, the coefficient $\mu^*_m$ proved to increase rapidly at first, almost in accordance with a linear law; however, with further increase of the plastic deformation there is a sharp drop in the speed of increase of the coefficient $\mu^*_m$. At first glance these changes in the coefficient $\mu^*_m$ during loading of the specimen are confirmed by the experiments of Gur'yev. However, to explain the absence of residual deformation and also the sudden drop in $\mu$ at the beginning of the load relief of the specimen and the subsequent increase in $\mu$ during further load relief, A. V. Gur'yev was forced to assume local plastic deformations as being "reversible" to which there are a number of objections. On the basis of a brief analysis, the author of this paper concludes that the dependence of the elasticity constants on the tensile stresses is not due to local reversible plastic deformations but appears to be due to other causes. Gur'yev carried out all his experiments on steel specimens. However, in ferromagnetic metals the reconstruction of the domains occurs even at insignificant mechanical stresses which are accompanied by the magnetostriction effect, i.e. by changes in the longitudinal and transverse

suddenly on beginning the load relief but starts increasing again during the further process of load relief. If loaded again, $\mu$ will again decrease suddenly and then start to increase and the entire cycle is repeated. It was also found that the Poisson coefficient as well as the modulus of elasticity E and G is influenced by the content of carbon in the steel and by the degree of preliminary work hardening. Gur'yev explains the inconstancy of the elasticity constants by associating with the elastic deformations local plastic deformations which occur in individual microscopic volumes of the specimen and introduces a new characteristic, the coefficient of microplasticity, which in his opinion is closely linked with the strength of the metal under alternate loading conditions. In earlier work (Ref.7) the author of this paper showed that, at small deformations, the coefficient of elasto-plastic transverse deformations can be expressed by the formula

$$m \approx \frac{m\varepsilon + m_o e}{\varepsilon + e} \qquad (1)$$

where $\varepsilon$ is the elastic and $e$ is the plastic elongation, $m$ and $m_o$ are the coefficients of transverse deformation for purely

S/120/61/011/002/024/025
E073/E535

AUTHOR: Zaytsev, G. P.

TITLE: On the Causes of the Dependence of the Constants of Elasticity of Steels on the Magnitude of the Tensile Stresses

PERIODICAL: Fizika metallov i metallovedeniye, 1961, Vol.11, No.2, pp. 316-317

TEXT: A. V. Gur'yev (Refs. 1-6) evolved a theory of microplasticity of metals with the aim of elucidating the causes of the dependence of the numerical values of the elasticity constants of metals on the magnitude of the stresses at which these constants are determined. He carried out his experiments in the range of elastic deformations when there are no residual strains and the loop of elastic hysteresis closes. After attaining a high accuracy of the measurements of the longitudinal and the transverse dimensions of the specimens, he established primarily that the Poisson coefficient $\mu$ does not remain constant, with increasing tensile stress $\sigma$ it increases at first linearly and then in accordance with a nonlinear law. If after reaching a not too low tensile stress the specimen is relieved from the load, $\mu$ decreases

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shear stress hypothesis. During the verification of other hypotheses, different ratio should be used, e.g. in case of energy hypothesis, $\varphi/\lambda$ should be equal to $\sqrt{3}$. There is 1 Soviet-bloc reference.

ASSOCIATION: Novosibirskiy gosudarstvennyy institut mer i izmeritel'nykh priborov (Novosibirsk State Institute of Measures and Measuring Instruments)

SUBMITTED: September 19, 1961

Card 2/2

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D237/D301

10.7200

AUTHOR: Zaytsev, G.P.

TITLE: Conditional yield-points in the experimental verification of various plasticity hypotheses

PERIODICAL: Akademiya nauk SSSR. Sibirskoye otdeleniye. Izvestiya, no. 2, 1962, 110 - 111

TEXT: In experimental verification of various plasticity hypotheses the theoretical ratio of torsional longitudinal yield points $\tau_e/\sigma_e$ is often compared with the experimental ratio of conditional yield points $\tau_\varphi/\sigma_\lambda$, determined from the allowed plastic deformations $\varphi$ and $\lambda$, where $\varphi$ - maximum angle of plastic shear and $\lambda$ - plastic elongation. The author considers two hypotheses, that of maximum shear stresses and the energy hypothesis, and derives the ratio of elastic stresses, corresponding to the ratio of torsional and longitudinal yield points. It is concluded that the usually accepted ratio $\varphi/\lambda$ equal to 3/2 is applicable only under the maximum

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L 16760-63 EWP(q)/EWT(m)/BDS AFFTC/ASD JD
S/124/63/000/004/058/064

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AUTHOR: Zaytsev, G. P.

TITLE: Plastic deformation and hardening of metals

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 4, 1963, 58, abstract 4V489 (Sb. Obrabatyvayemost' zharoprochn. i titanovykh splavov. Kuytyshev, 1962, 88-94.)

TEXT: The author proposes to approximate the curves of plastic stretch in metals in the case of significant deformations by the step function. He makes a comparison of this function with stretch curves for six different metals. V. I. Rozenblyum.

[Abstracter's note: Complete translation.]

Card 1/1

ZAYTSEV, G.P., prof. (Moskva)

Prevention of embolism in the pulmonary artery. Khirurgiia 40 no.2:110-113 F '64. (MIRA 17:7)

ZAYTSEV, G.P., prof.; KORNEYEV, A.I.

Analysis of postoperative mortality in acute appendicitis according to clinical data for a 17-year period. Khirurgiia 39 no.11:37-44 N '63. (MIRA 17:11)

1. Iz kliniki obshchey khirurgii (dir. - zasluzhennyy deyatel' nauki prof. G.P. Zaytsev) pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta imeni Pirogova na baze 4-y Moskovskoy gorodskoy klinicheskoy bol'nitsy.

KUPRIYANOV, P.A., prof. [deceased], red.; ZAYTSEV, G.P., zasl. deyatel' nauki RSFSR, prof., red.; GOLOVANOV, V.D., prof., red.; GRITSMAN, Yu.Ya., red.

[Transactions of the Second All-Union Conference of Surgeons, Traumatologists and Anesthesiologists] Trudy konferentsii Vsesoyuznoi konferentsii khirurgov travmatologov i anesteziologov. Moskva, Medgiz, 1963. 383 p. (MIRA 17:7)

1. Vsesoyuznaya konferentsiya khirurgov travmatologov i anesteziologov, 2nd, Baku, 1961. 2. Deystvitel'nyy chlen AMN SSSR (for Kupriyanov).

ZAYTSEV, G.P.; GOLOGORSKIY, V.A.; YEFUNI, S.N., red.; BUKOVSKAYA, N.A., tekhn. red.

[Potentiated anesthesia in the surgical clinic] Potentsirovannyi narkoz v khirurgicheskoi klinike. Moskva, Medgiz, 1963. 248 p. (MIRA 16:12)

ZAYTSEV, G.P., prof. BUNTATYAN, A.A., kand.med.nauk

Surgical treatment in acute and chronic paraproctitis. Kaz. med.zhur. no.3:37-40 My-Je '63. (MIRA 16:9)

1. Kafedra obshchey khirurgii pediatricheskogo fakul'teta 2-go Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.
(RECTUM—DISEASES) (RECTUM—SURGERY)

U.S.S.R.

ZAYTSEV, G.P., prof.; KAZANTSEV, F.N.

Sympathico-adrenal system in operations under different types of anesthesia. Nov.khir.arkh. no.1:34-46 '62. (MIRA 15:8)

1. Kafedra obshchey khirurgii (zav. - prof. G.P. Zaytsev) pediatricheskogo fakul'teta i TSentral'naya nauchno-issledovatel'skaya aptechnaya laboratoriya.
(NERVOUS SYSTEM, SYMPATHETIC) (ADRENAL GLANDS)
(ANESTHESIA)

ZAYTSEV, G.P.; PORYADIN, V.T.

Use of royal jelly preparation in the treatment of endarteritis and arteriosclerosis of the extremital vessels. Inform.biul.o mat.moloch. no.3:62-70 '62. (MIRA 16:2)

1. Klinika obshchey khirurgii pediatricheskogo fakul'teta (dir. zasluzhennyy deyatel' nauki prof. G.P. Zaytsev) 2-go Moskovskogo gosudarstvennogo meditsinskogo instituta imeni N.I. Pirogova (rektor dotsent M.G. Sirotkina).
(ROYAL JELLY--THERAPEUTIC USE) (ARTERIES--DISEASES)
(ARTERIOSCLEROSIS)

ALPATOV, V.V., prof.; MEL'NICHENKO, A.N., prof.; ZAYTSEV, G.P., prof.; VINOGRADOVA, T.V., prof.; ARTEMOV, N.M., dotsent; PORYADIN, V.T., kand.med.nauk

How not to popularize the experience of popular medicine and the achievemnets of medical science; the popular scientific works of N.P.Ioirisha on bee honey and venom. Sov.med. 26 no.7:154-158 Jl '62. (MIRA 15:11)

(MEDICINE, POPULAR) (BEE VENOM) (HONEY)

ZAYTSEV, G.P.

"Transplantations and replacements of tissues and organs" by A.N.Filatov and others. Reviewed by G.P.Zaitsev. Vest.AMN SSSR 17 no.8:91-92 '62. (MIRA 15:12)
(TRANSPLANTATION OF ORGANS, TISSUES, ETC.)
(FILATOV, A.N.)

KUPRIYANOV, P.A., prof., zasl. deyatel' nauki, red.; GOLOVANOV, V.D., prof., red.; ZAYTSEV, G.P., prof., zasl. deyatel' nauki RSFSR, red.; PRIOROV, N.N., prof., red.[deceased]; SERGEYEV, V.M., kand. med. nauk, red.; PORYADIN, V.T., kand. med. nauk, red.; GOL'DGAMMER, K.K., red.; ROMANOVA, Z.A., tekhn. red.

[Transactions of the 27th All-Union Congress of Surgeons]Trudy XXVII Vsesoiuznogo s"ezda khirurgov. Moskva, Medgiz, 1962. 633 p. (MIRA 16:1)

1. Vsesoyuznyy s"yezd khirurgov. 27th, Moscow, 1960. 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Kupriyanov, Priorov).

(SURGERY--CONGRESSES)

ZAYTSEV, G.P., professor; KORNEYEV, A.I.

Recurrences of pheochromocytoma. Vest.khir. no.6:89-93 '62.
(MIRA 15:11)

1. Iz kliniki obshchey khirurgii (zav. - prof. G.P. Zaytsev) pediatricheskogo fakul'teta 2-go Moskovskogo meditsinskogo instituta im. N.I. Pirogova na baze 4-y Moskovskoy gorodskoy klinicheskoy bol'nitsy (gl. vrach - kand.med.nauk F.G. Papko).
(CHROMAFFIN SYSTEM--TUMORS)

ZAYTSEV, G.P., prof. (Moskva)

Resolutions of the Second All-Union Conference of Surgeons, Traumatologists and Anesthesiologists. Klin.khir. no.7:87-91 Jl '62. (MIRA 15:9)

(SURGERY--CONGRESSES) (ANESTHESIOLOGY--CONGRESSES)

TARANOV, G.F., kand.biol.nauk; ZAYTSEV, G.P., doktor med. nauk; PONYADIN, V.T., doktor med. nauk; PERTSULENKO, V.A., kand. med. nauk; NEVEROVA, N.V.; VINOGRADOVA, T.V., doktor bil. nauk; KOSTOGLODOV, V.F.; KIVALKINA, V.N., kand. biol. nauk; SOKOLOVA, G.S., red.; SAYTANIDI, L.D., tekhn. red.

[The bee and human health]Pchela i zdorov'e cheloveka. Moskva, Izd-vo M-va sel'khoz. RSFSR, 1962. 190 p.
(MIRA 15:10)

(BEES) (MATERIA MEDICA, ANIMAL)

KOCHERGIN, I.G.; ZAYTSEV, G.P.; GOLOVANOV, V.D.

Results of the Twenty-Seventh All-Union Congress of Surgeons.
Vest. AMN SSSR 16 no.1:80-85 '61. (MIRA 14:3)
(SURGERY--CONGRESSES)

ZAYTSEV, G.P., prof.

Endarteriosis. Khirurgiia 36 no.10:72-79 O '60. (MIRA 13:11)

1. Iz kafedry obshchey khirurgii (zav. - prof. G.P. Zaytsev) pediatricheskogo fakul'teta II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni N.I. Pirogova.
(RAYNAUD'S DISEASE)

ZAYTSEV, G.P., prof. (Moskva)

Essence of endarteritis and the principles of its treatment. Kaz.med. zhur. no.5:30-35 S-O '60. (MIRA 13:11)
(ARTERIES--DISEASES)

ZAYTSEV, Grigoriy P

"Contemporary Methods of Treatment of Thrombophlebitis of Limbs."
report to be submitted for the 4th Intl. Congress of Angiology, Intl. Society of Angiology, Prague, Czech., 4-9 Sep 61.
Head, Chair of General Surgery, 2nd Moscow Med. Clinic im. N.I.Pirogov.

ZAYTSEV, G. P., (Prof.) -- Moscow

"Peripheral Arterial Disease (Endarteriosis): Etiology, Pathogenesis, Clinical Picture, Treatment, Prophylaxis"

Report submitted for the 27th Congress of Surgeons of the USSR, Moscow 23-28 May 1960.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100030-6

ZAYTSEV, G.P., prof. (Moskva)

Current methods of surgical treatment for patients with thrombophlebitis of the extremities. Khirurgiia 35 no.4: 25-32 Ap '59. (MIRA 12:8)

(THROMBOPHLEBITIS, surg.
extremities, statist. (Rus))
(VASCULAR DISEASES, PERIPHERAL, surg.
thrombophlebitis of extremities, statist. (Rus))

ZAYTSEV, G.P., prof.; KELIN, Ye. P., kand. med. nauk.; STARTSEV, I.V., kand. med. nauk.

Late results of surgical treatment of gastroduodenal ulcer. Sovet. med. 23 no.2:34-41 F '59. (MIRA 12:3)

1. Iz kliniki obshchey khirurgii II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.
(GASTRECTOMY, in various dis.
peptic ulcer, remote results (Rus))

ZAYTSEV, G.P., prof.

New method of treating the surgeon's hands with diocide. Khim.i med. no.10:17-30 '59. (MIRA 13:2)

1. Iz kafedry obshchey khirurgii II Moskovskogo meditsinskogo instituta N.I. Pirogova (zav. - prof. G.P. Zaytsev).
(SURGERY, ASEPTIC AND ANTISEPTIC) (DIOCIDE)

ZAYTSEV, G.P., prof.

Apitherapy. Zdorov'e 4 no.8:9-10 Ag '58 (MIRA 11:7)
(VENOM--PHYSIOLOGICAL EFFECT)

Abs Jour: Ref Zhur-Biol., No 19, 1958, 89976.

Good and satisfactory results of therapy were obtained in the majority of patients. Contraindications: tuberculosis, diabetes, kidney diseases, neoplasms, diseases of the liver and pancreas, heart failure and diseases of the central nervous system. An allergic reaction was observed in 3 patients. -- T.A. Shtessel'.

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a biological test was carried out during a period of 2 days: a bee was placed on the skin of the lumbar area and the sting was extracted once within 10-20 seconds, and then a second time within 20 minutes. Therapy was begun only in the absence of sugar and albumin in the urine after this. Fifteen treatments were performed in the course of 30 days. The bees were placed on areas of the body depending upon the disease, and their number varied (2-25 per treatment). The string was removed within one hour. Urine and blood were examined once weekly. The administration of 25-100 g of honey daily was recommended at the same time. The whole cycle of therapy, in various diseases, consisted of 200-400 stings.

USSR/Pharmacology and Toxicology. Miscellaneous Preparations. V

Abs Jour: Ref Zhur-Biol., No 19, 1958, 89976.

Author : Zaytsev, G.P.; Poryadin, D.T.
Inst : General Surgical Clinic of the 2nd Moscow Medical Institute.
Title : Experimental Therapy of Surgical Diseases with Bee Poison.

Orig Pub: Pchelovodstvo, 1958, No 2, 47-50.

Abstract: Bee-sting therapy was applied at the general surgical clinic of the Second Moscow Medical Institute to 400 patients with spondylosis, arthritis deformans, endarteriosis, atherosclerosis, thrombo-phlebitis, ulcerative disease, bronchial asthma, radiculitis and hypertension. Prior to the institution of therapy,

Card : 1/3

ZAYTSEV, G.P., prof. LEMENEV, L.M., dots.

Excerpt from the minutes of session No.19 of the Presidium of the Learned Medical Council of the Ministery of Public Health of the U.S.S.R. on May 20, 1958. Vest.oto-rin. 20 no.5:139-140 S-O '58
(OTORHINOLARYNGOLOGY) (MIRA 11:12)

ZAYTSEV, G.P., professor (Moskva, G-99, ul. Chaykovskogo, d.7/1, kv.4)

Using chemical hypothermia in surgical operations. Nov.khir.arkh. no.4:51-55 Jl-Ag '57. (MIRA 10:11)

1. Kafedra obshchey khirurgii (zav. - prof. G.P.Zaytsev) pediatricheskogo fakul'teta 2-go Moskovskogo meditsinskogo instituta.
(HYPOTHERMIA) (SURGERY, OPERATIVE)

ZAYTSEV, G.P., prof. (Moskva, G-99, ul. Chaykovskogo, d.7/1, kv.4)

Prevention and treatment of endarteriosis and atherosclerosis of the extremities. Nov.khir.arkh. no.6:30-35 N-D '57. (MIRA 11:3)

1. Kafedra obshchey khirurgii (zav. - prof. G.P.Zaytsev) pediatricheskogo fakul'teta 2-go Moskovskogo meditsinskogo instituta.
(ARTERIES--DISEASES)
(EXTREMITIES (ANATOMY)--BLOOD SUPPLY)

ZAYTSEV, G.P., professor

Choice of anesthesia for surgery. Vest. khir. 76 no.11:10-11 '55.
(MLRA 9:4)

1. Iz kafedry obshchey khirurgii (zav.-prof. G.P. Zaytsev) Moskovskogo meditsinskogo instituta imeni I.V. Stalina.
(ANESTHESIA,
in surg., operative, choice of method)
(SURGERY, OPERATIVE
choice of anesthetic method)

ZAYTSEV, G.P., professor.

Ways of improving thyroid surgery and the postoperative period
Sov.med. 19 no.7:19-22 Jl '55. (MLRA 8:10)

1. Iz kliniki obshchey khirurgii (dir.-prof. G.P.Zaytsev) pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.
(THYROID GLAND, surg.
progr. in Russia)
(POSTOPERATIVE CARE, in various dis.
in thyroid surg.,progr. in Russia)

ZAYTSEV, G.P., professor (Moskva, ul. Chaykovskogo, d. 7/1, kv. 4)

Protective inhibition as a method for treating surgical patients. Vest.khir. 75 no.3:30-36 Ap '55. (MLRA 8:7)

1. Iz kliniki obshchey khirurgii (zav. - prof. G.P.Zaytsev) pediatricheskogo fakul'teta 2-go Moskovskogo meditsinskogo instituta im. I.V.Stalina.

(SLEEP, therapeutic use,
conditioned reflex technic)
(REFLEX, CONDITIONED,
technic of sleep ther.)